SWNT + R
$$\sim$$
 NH₂ $\frac{\text{stir bar, no solvent, } 60^{\circ}\text{C}}{\text{or}}$ NaNO₂, H₂SO₄ or AcOH no solvent, 60°C 2

SWNT = $R = \text{Cl, Br, } t\text{-butyl, } \text{CO}_{2}\text{CH}_{3}, \text{NO}_{2}$

Fig. 1

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Fig. 2

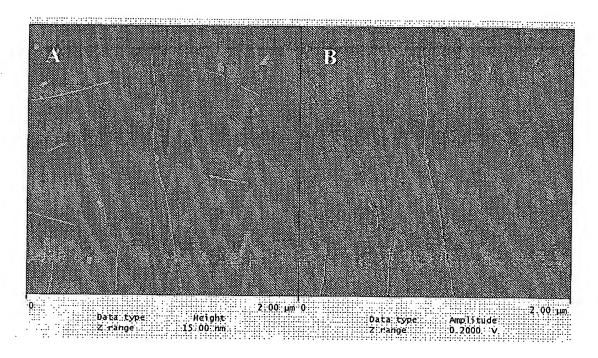
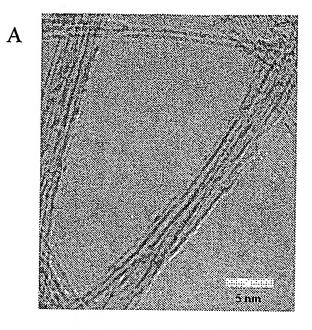


Fig. 3

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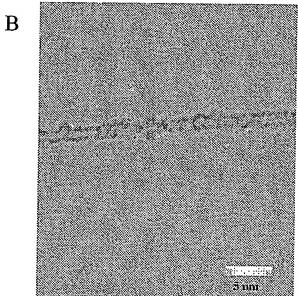


Fig. 4

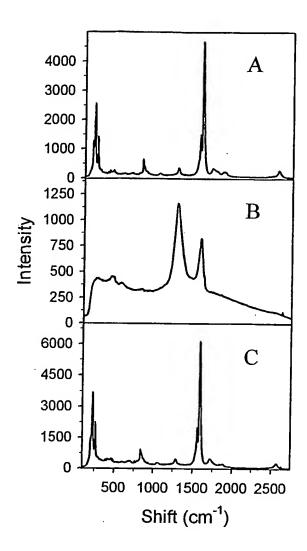


Fig. 5

Fig. 6

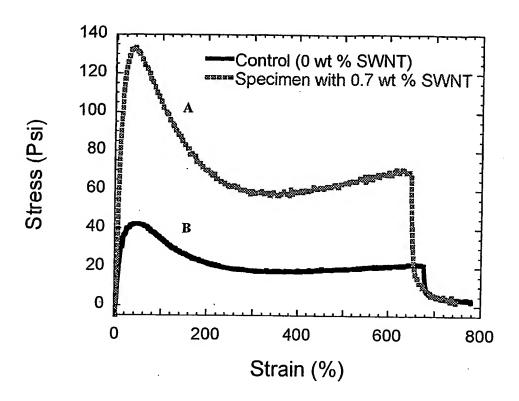


Fig. 7

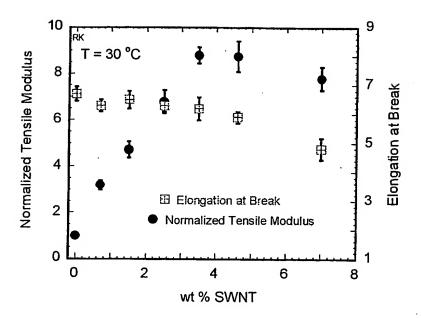


Fig. 8

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Fig. 9